



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

PIEDMONT REGIONAL OFFICE

4949A Cox Road, Glen Allen, Virginia 23060

(804) 527-5020 Fax (804) 527-5106

www.deq.virginia.gov

Molly Joseph Ward
Secretary of Natural Resources

David K. Paylor
Director

Michael P. Murphy
Regional Director

November 17, 2016

Paula A. Hamel
Director of Generation Environmental Services
Virginia Electric and Power Company
Sent electronically: paula.a.hamel@dom.com

RE: VPDES Permit No. VA0004146, Dominion Chesterfield Power Station

Ms. Hamel:

DEQ received your Groundwater Monitoring Well Closure Request on October 31, 2016, requesting approval of the removal of groundwater monitoring well B-51 and the associated modification to the approved Groundwater Monitoring Plan. It is understood that groundwater monitoring well B-51 is currently within the footprint of one of the planned treatment systems.

The Groundwater Evaluation conducted during the 2016 reissuance of VPDES Permit VA0004146 (Fact Sheet Attachment 8) noted that neither B-50 nor B-51 are appropriate background wells for groundwater monitoring. This conclusion was based on the Groundwater Quality and Risk Assessment Report which stated that reevaluation of the potentiometric map developed in 2012 indicated that wells B-50 and B-51 are located downgradient of the Lower Ash Pond and that B-51 does not meet performance standards as it had been dry 50% of the time over the previous two years. However, well B-52 continues to function as an upgradient well.

Additionally, it is understood that well B-51 was not included in the proposed groundwater monitoring network that was submitted along with the solid waste permit application. Thus, the removal of well B-51 is not expected to have an effect on the solid waste permitting action.

Due to the factors listed above, DEQ has no objection to the removal of well B-51. The requested modification to your Groundwater Monitoring Plan is hereby approved and is incorporated by reference as an enforceable part of the VPDES Permit.

Sincerely,

A handwritten signature in blue ink that reads "Emilee C. Adamson".

Emilee C. Adamson
Planning and Water Permit Manager
Piedmont Regional Office

CC:

Donald Hintz (donald.hintz@dom.com)
Joseph Bryan (joseph.bryan@deq.virginia.gov)
Jason Miller (jason.miller@deq.virginia.gov)



October 28, 2016

Mr. Joseph Bryan
Virginia Department of Environmental Quality
Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

RECEIVED PRO
OCT 31 2016

**RE: Chesterfield Power Station
 Permit No. VA0004146
 Groundwater Monitoring Well Closure Request**

Dear Mr. Bryan:

In accordance with Permit No. VA0004146 for the Chesterfield Power Station, Dominion is submitting this request to the Department of Environmental Quality for approval of a change to the Groundwater Monitoring Plan (GWMP) for the Upper Ash Pond (UAP) and Lower Ash Pond (LAP), dated September 2001, and amended in November 2001. The requested change to the GWMP is closure of groundwater monitoring well B-51, which is listed as an upgradient monitoring well for the UAP and LAP.

Closure of groundwater monitoring well B-51 is requested to accommodate design plans for a new low volume waste water treatment system (for the power station) that extend beyond and cover the current location of well B-51. Closure of well B-51 would be conducted using the generally accepted method of over-drilling the existing well casing, which then allows the casing to be removed from the ground. With the casing removed, the borehole is filled and sealed with a bentonite and cement grout to just below the ground surface.

The groundwater monitoring program will not be compromised with closure of well B-51 as wells B-50 and B-52, which are also listed in the GWMP as upgradient wells, will remain in operation and unaffected by construction of the treatment system. Existing downgradient monitoring wells are unaffected by construction of the treatment system.

If any questions or comments arise regarding this approval request, please contact Donald Hintz by telephone at 804-273-3552 or by email at donald.hintz@dom.com.

Sincerely,

Paula A. Hamel
Director
Generation Environmental Services